

APRIL/MAY 2023

BESC64C — SOFTWARE TESTING

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List out the different levels of testing.
2. Distinctions between validation and verification.
3. Define the term Coupling Variable.
4. What is finite state machine (FSM)?
5. Define Predicate Coverage (PC).
6. How can you define mapping problem?
7. What is Closure?
8. Name the two ways of Grammars can be used.
9. Give the categories of issues in testing.
10. What is web service?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the Coverage Criteria for Testing.

Or

- (b) Describe the Automation of Test Activities.

12. (a) Explain about the Graph Coverage Criteria.

Or

- (b) Write detail note on data flow criteria.

13. (a) Describe the Combination Strategies Criteria.

Or

- (b) Explain the Logic Predicates and Clauses.

14. (a) Explain the Integration and Object-Oriented Testing.

Or

- (b) Discuss about the Test Plans.

15. (a) List out the types of Object-Oriented Faults.

Or

- (b) Write the detail note on Testing Graphical User Interfaces.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the Beizer's Testing Levels Based on Test Process Maturity in detail.

17. Discuss the Structural Coverage Criteria.

18. How to Find Prime Test Paths? Explain in detail.

19. Explain the Regression Testing in detail.

20. Describe the Testing Dynamic Web Applications.